

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P694904

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-750-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND
TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3554 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

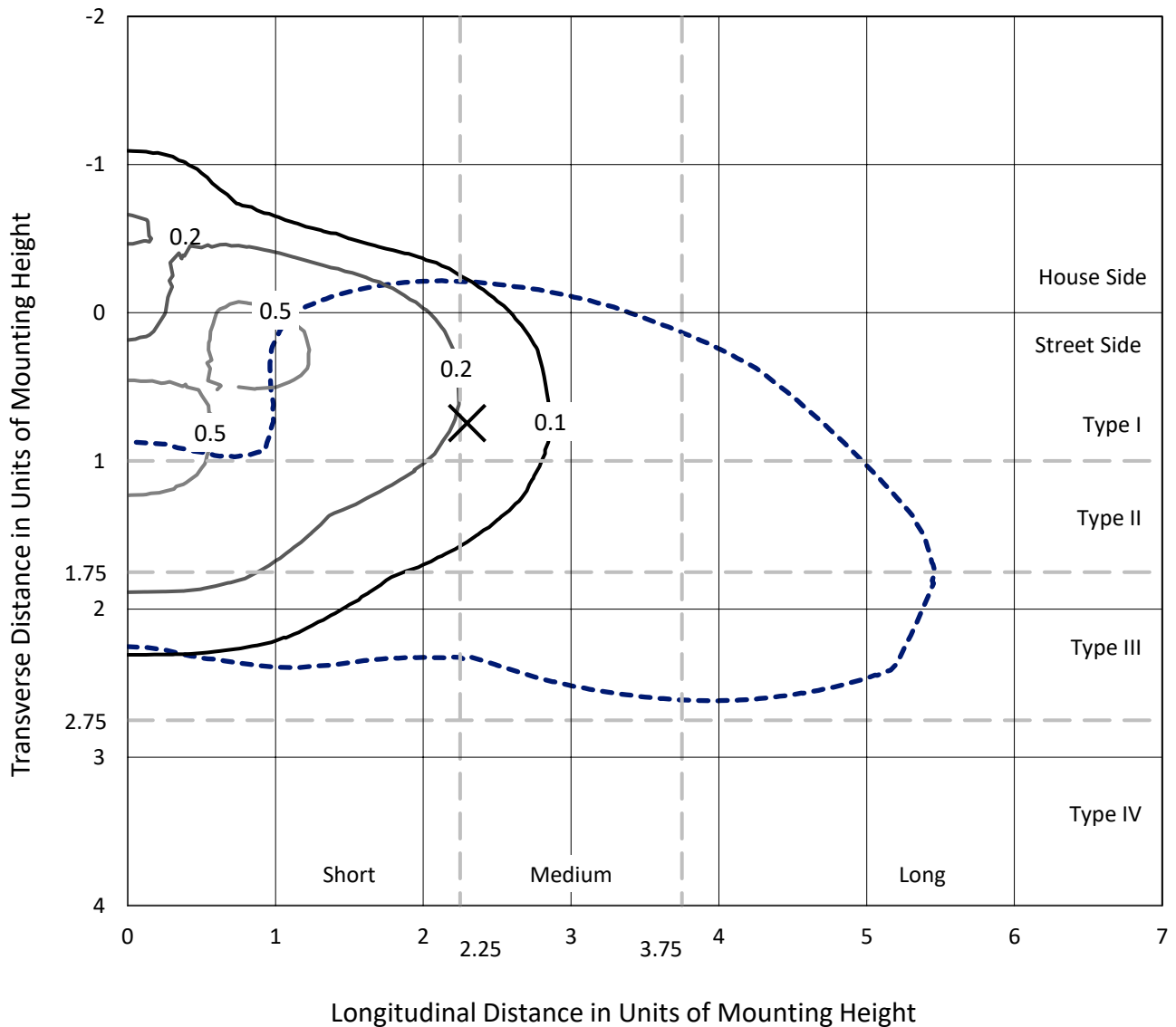
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

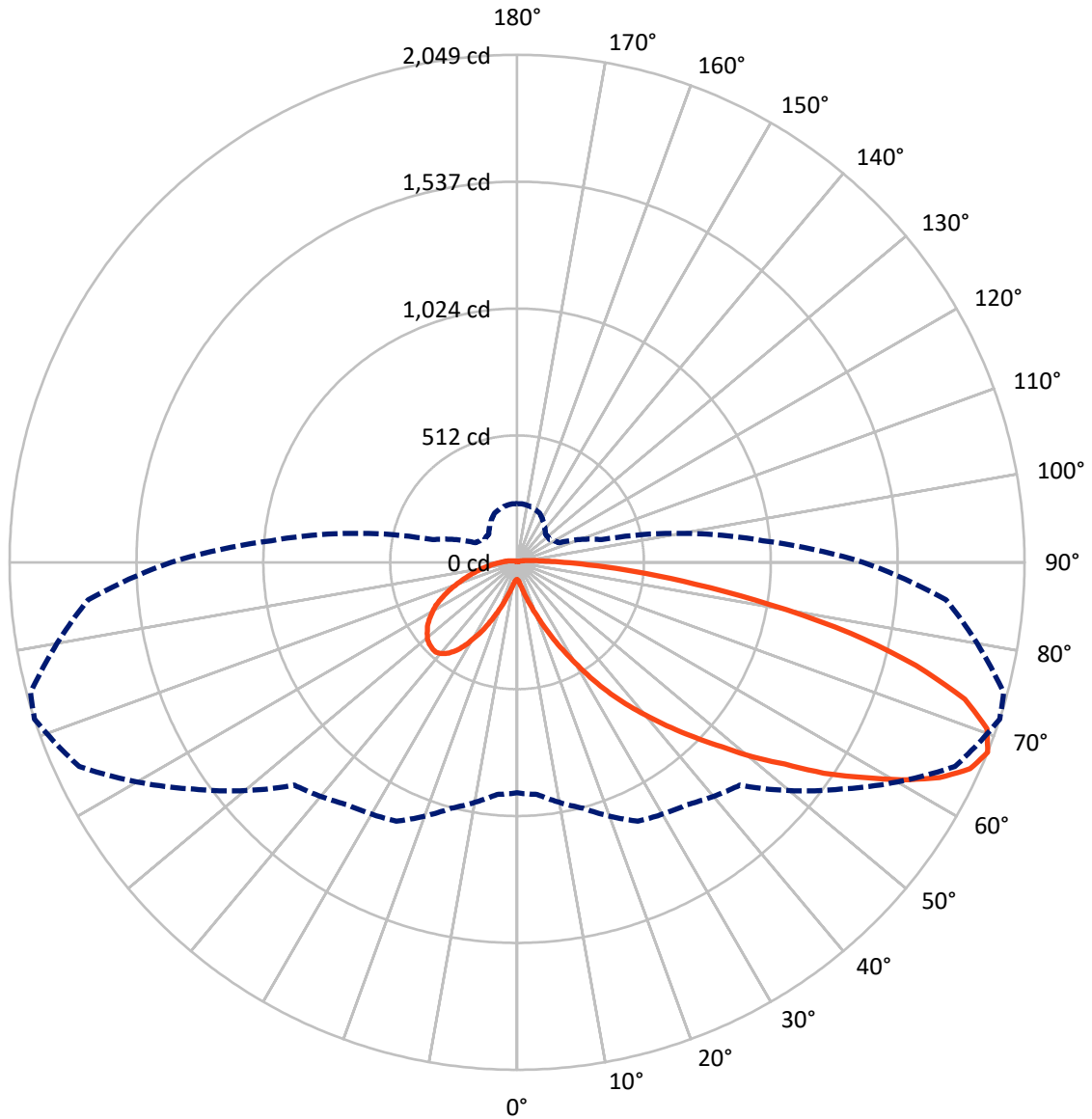
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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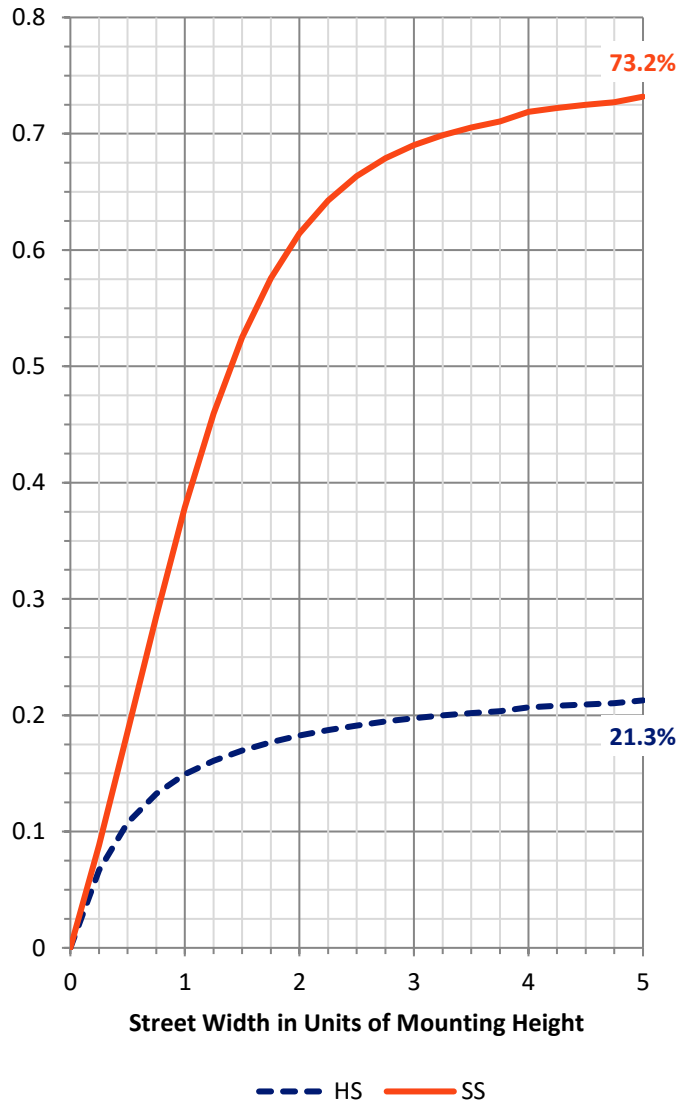
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	793.8	59.6	853.5
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	2645.6	54.9	2700.6
	% Fixture	74.4	1.5	76.0
Total	Lumens	3439.5	114.6	3554.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.2
10°-20°	41.9	1.2
20°-30°	134.5	3.8
30°-40°	300.9	8.5
40°-50°	501.5	14.1
50°-60°	730.0	20.5
60°-70°	875.0	24.6
70°-80°	628.2	17.7
80°-90°	219.5	6.2
90°-100°	60.1	1.7
100°-110°	25.8	0.7
110°-120°	13.3	0.4
120°-130°	7.9	0.2
130°-140°	4.9	0.1
140°-150°	2.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3439.5	96.8
0°-180°	3554.0	100.0

Coefficient of Utilization

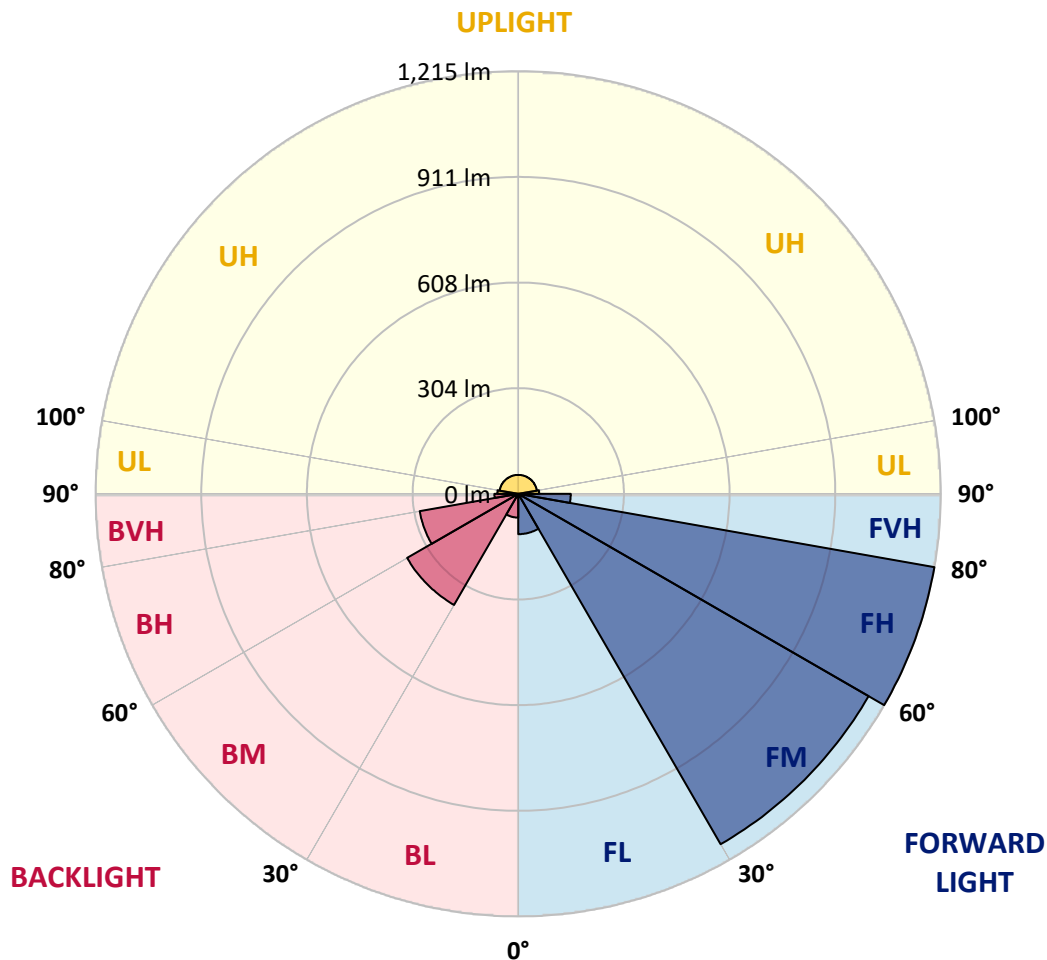


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.0	3.3			
FM (30°-60°)	1163.5	32.7			
FH (60°-80°)	1215.3	34.2			G1/1800
FVH (80°-90°)	150.9	4.2			G2/225
BL (0°-30°)	68.4	1.9	B0/110		
BM (30°-60°)	369.0	10.4	B1/1000		
BH (60°-80°)	287.8	8.1	B1/500		G1/500
BVH (80°-90°)	68.6	1.9			G1/100
UL (90°-100°)	60.1	1.7		U3/500	
UH (100°-180°)	54.5	1.5		U3/500	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
2.5°	73.8	73.8	73.8	75.1	73.8	73.8	73.8	72.5	72.5	72.5	71.2
5°	85.4	85.4	84.1	84.1	82.8	82.8	81.5	80.2	79.0	77.7	76.4
7.5°	99.7	99.7	98.4	98.4	97.1	94.5	93.2	90.6	89.3	88.0	86.7
10°	121.7	120.4	120.4	119.1	116.5	113.9	111.3	107.4	104.8	103.5	101.0
12.5°	150.1	148.8	147.5	142.4	139.8	135.9	132.0	129.4	126.8	124.2	120.4
15°	186.4	185.1	181.2	177.3	168.3	164.4	159.2	157.9	155.3	154.0	147.5
17.5°	230.4	226.5	223.9	214.8	205.8	196.7	194.1	191.6	190.3	189.0	185.1
20°	284.7	280.9	275.7	258.9	248.5	238.1	231.7	233.0	231.7	231.7	227.8
22.5°	350.7	352.0	337.8	315.8	292.5	279.6	277.0	280.9	283.4	286.0	278.3
25°	431.0	429.7	407.7	377.9	348.2	330.0	327.4	335.2	344.3	349.5	343.0
27.5°	520.3	513.8	491.8	447.8	410.3	383.1	384.4	401.2	410.3	414.2	409.0
30°	613.5	610.9	578.5	525.5	471.1	437.5	442.6	467.2	484.1	493.1	480.2
32.5°	714.4	706.7	669.1	607.0	535.8	494.4	506.1	541.0	568.2	569.5	563.0
35°	810.2	810.2	766.2	691.1	603.1	553.9	568.2	625.1	652.3	660.1	645.8
37.5°	904.7	898.2	860.7	767.5	670.4	612.2	631.6	698.9	736.4	744.2	726.1
40°	983.6	982.3	939.6	851.6	731.3	669.1	695.0	777.9	821.9	834.8	805.0
42.5°	1063.9	1058.7	1025.1	925.4	803.7	727.4	762.3	863.3	912.5	920.2	889.2
45°	1123.4	1119.5	1095.0	1003.1	872.3	789.5	833.5	948.7	1009.5	1017.3	969.4
47.5°	1180.4	1180.4	1159.7	1083.3	943.5	859.4	915.0	1049.7	1113.1	1126.0	1071.7
50°	1236.0	1230.8	1225.7	1159.7	1016.0	937.1	995.3	1155.8	1234.7	1247.7	1172.6
52.5°	1268.4	1276.1	1282.6	1237.3	1097.5	1010.8	1092.4	1271.0	1353.8	1371.9	1290.4
55°	1298.2	1294.3	1324.0	1294.3	1167.4	1092.4	1201.1	1403.0	1502.6	1509.1	1417.2
57.5°	1296.9	1300.7	1344.7	1347.3	1236.0	1167.4	1303.3	1533.7	1637.2	1659.3	1533.7
60°	1265.8	1276.1	1333.1	1360.3	1290.4	1234.7	1409.5	1670.9	1783.5	1805.5	1648.9
62.5°	1202.4	1206.3	1287.8	1347.3	1305.9	1286.5	1503.9	1797.7	1914.2	1912.9	1736.9
65°	1083.3	1089.8	1176.5	1273.6	1277.4	1299.4	1568.7	1901.3	2010.0	2002.2	1765.4
67.5°	930.6	940.9	1027.6	1153.2	1194.6	1272.3	1595.8	1950.5	2048.8	2033.3	1738.2
70°	739.0	764.9	833.5	965.5	1071.7	1185.5	1559.6	1937.5	2012.6	1991.9	1626.9
72.5°	543.6	555.2	627.7	757.1	887.9	1057.4	1441.8	1830.1	1890.9	1841.7	1452.2
75°	381.8	385.7	446.5	557.8	698.9	882.7	1264.5	1621.7	1664.4	1616.5	1211.4
77.5°	235.6	243.3	291.2	383.1	513.8	704.1	1028.9	1351.2	1378.4	1316.3	944.8
80°	145.0	150.1	183.8	253.7	357.2	513.8	796.0	1026.4	1035.4	992.7	675.6
82.5°	93.2	98.4	120.4	163.1	238.1	358.5	560.4	731.3	726.1	680.8	455.6
85°	60.8	64.7	79.0	108.7	157.9	247.2	374.0	485.4	473.7	440.1	296.4
87.5°	40.1	42.7	55.7	76.4	108.7	164.4	240.7	293.8	287.3	265.3	185.1
90°	27.2	28.5	38.8	53.1	76.4	112.6	155.3	177.3	165.7	156.6	120.4
92.5°	19.4	22.0	28.5	40.1	58.2	80.2	101.0	110.0	103.5	99.7	81.5
95°	15.5	15.5	23.3	32.4	45.3	60.8	71.2	71.2	67.3	66.0	59.5
97.5°	12.9	12.9	19.4	27.2	37.5	47.9	51.8	50.5	47.9	49.2	45.3
100°	10.4	11.6	16.8	23.3	31.1	38.8	40.1	37.5	36.2	36.2	34.9
102.5°	9.1	10.4	15.5	20.7	27.2	32.4	33.7	31.1	28.5	28.5	27.2
105°	9.1	9.1	12.9	18.1	23.3	27.2	27.2	24.6	23.3	22.0	20.7
107.5°	7.8	7.8	11.6	16.8	20.7	23.3	23.3	20.7	18.1	18.1	16.8
110°	6.5	7.8	10.4	14.2	18.1	20.7	20.7	18.1	15.5	14.2	14.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	6.5	6.5	9.1	12.9	15.5	18.1	16.8	14.2	12.9	11.6	11.6
115°	6.5	6.5	7.8	11.6	14.2	15.5	15.5	12.9	10.4	10.4	10.4
117.5°	6.5	6.5	7.8	10.4	12.9	14.2	12.9	11.6	9.1	9.1	9.1
120°	6.5	6.5	7.8	9.1	11.6	12.9	11.6	10.4	7.8	7.8	9.1
122.5°	5.2	6.5	6.5	9.1	10.4	11.6	10.4	9.1	7.8	7.8	7.8
125°	5.2	6.5	6.5	7.8	9.1	10.4	9.1	7.8	6.5	6.5	7.8
127.5°	5.2	5.2	6.5	7.8	9.1	9.1	9.1	7.8	6.5	6.5	7.8
130°	5.2	6.5	6.5	6.5	7.8	9.1	7.8	6.5	6.5	6.5	6.5
132.5°	5.2	5.2	6.5	6.5	7.8	7.8	6.5	6.5	5.2	5.2	6.5
135°	5.2	5.2	5.2	6.5	6.5	6.5	6.5	5.2	5.2	5.2	6.5
137.5°	5.2	5.2	5.2	5.2	6.5	6.5	5.2	5.2	5.2	5.2	5.2
140°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	3.9	5.2	5.2	5.2
142.5°	5.2	5.2	5.2	3.9	5.2	3.9	3.9	3.9	3.9	3.9	5.2
145°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	2.6	2.6	3.9	3.9	3.9
150°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
2.5°	69.9	69.9	69.9	68.6	68.6	68.6	67.3	67.3	67.3	67.3	67.3
5°	76.4	75.1	73.8	72.5	69.9	69.9	68.6	68.6	67.3	67.3	67.3
7.5°	85.4	84.1	81.5	79.0	76.4	73.8	72.5	71.2	69.9	69.9	69.9
10°	98.4	97.1	91.9	88.0	84.1	81.5	79.0	77.7	76.4	75.1	75.1
12.5°	117.8	116.5	110.0	102.2	95.8	90.6	86.7	85.4	84.1	82.8	84.1
15°	145.0	142.4	133.3	120.4	111.3	102.2	98.4	97.1	98.4	98.4	97.1
17.5°	181.2	174.7	160.5	143.7	129.4	117.8	112.6	112.6	112.6	113.9	113.9
20°	222.6	216.1	195.4	172.1	148.8	134.6	128.1	128.1	129.4	130.7	133.3
22.5°	271.8	261.4	234.3	200.6	170.8	151.4	143.7	143.7	147.5	151.4	151.4
25°	332.6	319.7	279.6	230.4	192.8	168.3	157.9	159.2	165.7	169.5	170.8
27.5°	398.6	381.8	328.7	265.3	212.3	181.2	170.8	173.4	181.2	187.7	187.7
30°	473.7	445.2	374.0	295.1	229.1	191.6	181.2	186.4	195.4	203.2	204.5
32.5°	542.3	513.8	425.8	323.6	243.3	198.0	187.7	195.4	205.8	214.8	214.8
35°	618.7	582.4	468.5	345.6	251.1	201.9	191.6	201.9	213.6	221.3	221.3
37.5°	692.4	642.0	502.2	358.5	253.7	201.9	192.8	205.8	216.1	222.6	223.9
40°	759.7	700.2	526.8	362.4	251.1	199.3	192.8	205.8	216.1	220.0	221.3
42.5°	832.2	749.4	544.9	358.5	244.6	195.4	191.6	204.5	213.6	214.8	216.1
45°	904.7	803.7	550.1	345.6	235.6	190.3	187.7	200.6	208.4	208.4	208.4
47.5°	983.6	856.8	550.1	330.0	223.9	185.1	185.1	198.0	203.2	201.9	201.9
50°	1066.5	907.3	546.2	311.9	213.6	179.9	181.2	195.4	200.6	196.7	196.7
52.5°	1153.2	961.6	533.2	289.9	201.9	174.7	179.9	194.1	199.3	195.4	195.4
55°	1258.0	1014.7	519.0	269.2	191.6	170.8	178.6	194.1	199.3	195.4	195.4
57.5°	1331.8	1061.3	497.0	249.8	183.8	168.3	178.6	196.7	201.9	199.3	199.3
60°	1417.2	1092.4	468.5	230.4	176.0	165.7	181.2	199.3	207.1	207.1	207.1
62.5°	1463.8	1100.1	438.8	213.6	170.8	164.4	183.8	204.5	214.8	216.1	217.4
65°	1463.8	1066.5	397.3	199.3	165.7	163.1	186.4	211.0	223.9	227.8	229.1
67.5°	1397.8	996.6	353.3	186.4	160.5	161.8	189.0	217.4	230.4	236.9	236.9
70°	1289.1	886.6	306.7	173.4	155.3	160.5	190.3	220.0	234.3	240.7	240.7
72.5°	1110.5	758.4	262.7	163.1	150.1	157.9	189.0	220.0	233.0	238.1	236.9
75°	899.5	605.7	220.0	151.4	143.7	151.4	182.5	213.6	223.9	226.5	226.5
77.5°	700.2	462.1	185.1	138.5	134.6	143.7	173.4	200.6	209.7	211.0	209.7
80°	498.3	333.9	155.3	126.8	124.2	132.0	157.9	181.2	189.0	190.3	187.7
82.5°	335.2	239.4	126.8	111.3	111.3	119.1	141.1	159.2	165.7	164.4	163.1
85°	217.4	161.8	103.5	95.8	97.1	104.8	120.4	134.6	138.5	137.2	133.3
87.5°	142.4	113.9	82.8	81.5	82.8	89.3	101.0	108.7	113.9	111.3	110.0
90°	97.1	81.5	67.3	67.3	69.9	75.1	82.8	86.7	88.0	88.0	86.7
92.5°	71.2	63.4	55.7	55.7	59.5	63.4	67.3	68.6	71.2	69.9	68.6
95°	54.4	51.8	46.6	46.6	50.5	54.4	55.7	54.4	56.9	56.9	55.7
97.5°	42.7	42.7	40.1	40.1	42.7	45.3	46.6	45.3	46.6	45.3	45.3
100°	33.7	33.7	34.9	34.9	36.2	38.8	38.8	38.8	38.8	37.5	36.2
102.5°	27.2	28.5	29.8	31.1	32.4	32.4	33.7	32.4	32.4	29.8	29.8
105°	22.0	22.0	24.6	25.9	27.2	28.5	28.5	28.5	27.2	24.6	24.6
107.5°	18.1	19.4	20.7	23.3	23.3	24.6	25.9	24.6	22.0	19.4	20.7
110°	14.2	15.5	18.1	19.4	20.7	22.0	22.0	20.7	18.1	16.8	16.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.9	12.9	15.5	16.8	18.1	19.4	19.4	18.1	15.5	14.2	14.2
115°	11.6	11.6	12.9	14.2	15.5	16.8	16.8	15.5	12.9	11.6	11.6
117.5°	10.4	10.4	11.6	12.9	14.2	15.5	14.2	14.2	11.6	10.4	10.4
120°	9.1	10.4	10.4	11.6	12.9	12.9	12.9	11.6	10.4	10.4	10.4
122.5°	9.1	9.1	10.4	10.4	11.6	11.6	11.6	10.4	9.1	9.1	9.1
125°	7.8	9.1	9.1	9.1	10.4	10.4	10.4	9.1	7.8	7.8	7.8
127.5°	7.8	7.8	7.8	9.1	9.1	9.1	9.1	7.8	7.8	7.8	7.8
130°	7.8	7.8	7.8	7.8	7.8	9.1	7.8	7.8	6.5	7.8	7.8
132.5°	6.5	6.5	6.5	7.8	7.8	7.8	7.8	6.5	6.5	6.5	6.5
135°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
137.5°	6.5	6.5	6.5	6.5	6.5	6.5	5.2	5.2	5.2	6.5	6.5
140°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
142.5°	5.2	5.2	5.2	3.9	3.9	3.9	3.9	3.9	3.9	5.2	5.2
145°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	3.9	3.9	3.9	2.6	2.6	2.6	2.6	3.9	3.9	3.9	3.9
150°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)